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MONTANA OIL AND GAS STATISTICAL BULLETIN

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Vol. XXVII, No. 9 — 4 — September, 1978

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1978 averaged 85,600 barrels daily, an increase of 551 barrels from the average 85,049 production in August.

The six refineries in the state processed 135,915 barrels of crude oil daily for the month of September, a decrease of 5,118 barrels from the 141,033 barrels processed daily during the month of August.

During September, 55 wells were completed, 14 oil, 13 gas, and 28 dry holes.

During September the board issued 92 permits to drill new wells, a decrease of 23 from the 115 permits issued during August.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF SEPTEMBER

IN STORAGE: September 1st	
By Producers	371,702
By Transporters	1,522,391
By Refiners	1,582,421
TOTAL STORAGE	3,476,514
Produced in Mont. During Month	2,568,010
Imported During Month	3,541,387
TOTAL	9,585,911
DISPOSITION	
Refined in Montana	4,077,441
Exported	1,861,492
Used for Fuel or Lost	6,087
TOTAL	5,945,020
IN STORAGE: September 30th	
By Producers	385,582
By Transporters	1,474,463
By Refiners	1,780,846
TOTAL STORAGE	3,640,891

REFINERS MONTHLY REPORT SEPTEMBER, 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	135,181	235,802	—	220,378	633,521	997,197	227,685
Exxon Company	380,353	20,754	—	964,213	462,667	1,423,602	404,385
Farmers Union	1,040,069	91,558	—	325,725	883,266	1,206,027	1,134,591
Kenco Refining	—	85,179	933	—	—	86,112	—
Phillips Petroleum	7,470	137,879	—	—	50,684	189,823	6,210
Wesco Refining Co.	19,348	163,307	—	—	—	174,680	7,975
Totals	1,582,421	734,479	933	1,510,316	2,030,138	4,077,441	1,780,846

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,632	549	50,405	57,615	133,201	18.49%	.41%	37.84%	43.26%
September, 1977	25,675	580	56,141	51,059	133,455	19.24%	43%	42.07%	38.26%
September, 1978	24,483	31	50,344	67,671	142,529	17.18%	02%	35.32%	47.48%

PRODUCERS' REPORT—MONTH OF SEPTEMBER, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
4	Arch Apex	5	2,190	2,430	2,572	—	2,048
2	Ash Creek	3	464	845	773	—	536
1	Bainville	1	3,627	1,276	1,502	—	3,401
1	Bainville West	1	783	1,089	1,311	—	561
—	Bannatyne	—	556	—	—	—	556
5	Bears Den	6	1,427	911	1,500	—	838
15	Bell Creek	185	11,397	556,654	553,507	1,498	13,046
1	Benrud	2	243	83	—	—	326
3	Benrud East	3	1,296	8,258	8,136	—	1,418
1	Benrud Northeast	1	1,135	1,199	2,055	—	279
1	Berthelote	1	258	99	—	—	357
3	Big Gully	3	552	2,162	1,859	5	850
3	Big Muddy Creek	3	935	6,017	5,123	(479)	2,308
5	Big Wall	13	1,421	7,453	7,114	—	1,760
1	Big Wall, North	1	81	228	216	2	91
1	Blackfoot	6	339	1,459	1,603	—	195
1	Blue Hill	1	860	2,307	2,199	—	968
6	Border	10	1,195	1,653	1,437	—	1,411
1	Boulder	1	1,218	309	460	—	1,067
1	Bowes	57	4,524	10,991	10,617	—	4,898
2	Bradley	2	232	1,072	600	—	704
2	Breed Creek	5	556	7,649	7,420	—	785
5	Brorson-Madison	5	2,130	2,316	1,727	—	2,719
3	Brorson-Red River	3	4,390	4,304	4,239	—	4,455
5	Brorson-Red River S.	5	2,477	5,765	6,443	—	1,799
3	Brorson South East	3	1,103	2,655	2,237	—	1,521
5	Brush Lake	5	1,376	6,097	6,076	—	1,397
1	Burns Creek	1	225	555	434	—	346
2	Cabin Creek	85	—	141,191	141,191	—	—
2	Canal	2	1,547	2,799	2,813	—	1,533
11	Cat Creek	59	1,923	9,447	9,519	—	1,851
2	Charlie Creek	2	1,327	9,941	8,979	—	2,289
—	Clark's Fork	—	37	—	—	—	37
—	Clark's Fork North	—	439	—	—	—	439
1	Clark's Fork South	1	1,038	371	525	—	884
4	Clear Lake	5	1,307	10,865	10,643	—	1,529
1	Conrad South	2	90	224	224	—	90
1	Cow Creek	1	209	387	462	—	134
9	Cow Creek East	11	4,525	18,081	17,223	—	5,383
2	Culbertson	2	1,539	9,433	9,064	—	1,908
7	Cupton	10	6,277	10,286	10,997	—	5,566
87	Cut Bank	719	34,508	130,537	129,914	38	35,093
1	Dagmar	2	1,045	3,891	4,318	—	618
1	Dean Dome	1	641	202	747	(1,190)	1,286
1	Deer Creek	1	522	179	467	—	234
1	Delphia	1	229	279	379	—	129
2	Devils Basin	4	294	795	810	165	114
6	Dry Creek	6	515	1,776	1,510	—	781
2	Dwyer	10	3,582	12,767	12,888	—	3,461
1	Eagle	1	570	821	1,110	—	281
3	Elk Basin	47	490	75,483	75,478	—	495
3	Elk Basin Northwest	5	1,554	1,055	1,277	—	1,332
5	Fairview	9	9,706	22,103	23,527	—	8,282
2	Fertile Prairie	2	239	1,583	1,469	—	353
3	Flat Coulee	19	1,978	11,440	11,264	—	2,154
7	Flat Lake	49	2,021	47,633	47,486	—	2,168
4	Flat Lake South	4	812	4,095	3,530	—	1,377
2	Fort Gilbert	3	1,358	6,956	7,404	—	910
1	Four Mile Creek	1	436	8,303	8,257	—	482
2	Four Mile Creek, West	2	1,299	7,926	7,550	—	1,675
1	Frannie	1	—	636	636	—	—
14	Fred & George Creek	38	7,147	36,983	37,045	—	7,085
1	Froid, South	1	976	444	175	—	1,245
1	Gage	1	139	63	162	—	40
3	Gas City	10	2,955	7,985	6,586	—	4,354
—	Girard	—	1,275	—	—	—	1,275
10	Glendive	13	2,015	16,577	16,621	—	1,971
—	Golden Dome	—	68	—	—	—	68
12	Goose Lake	19	3,271	17,399	17,403	—	3,267
12	Graben Coulee	37	3,927	3,691	3,860	10	3,748
1	Grandview East	1	238	180	213	—	205
3	Gumbo Ridge	5	872	3,083	3,501	—	454
4	Gypsy Basin	8	675	1,822	690	593	1,214
1	Hay Creek-Mission	1	379	762	834	—	307
2	Hay Creek-Red River	2	2,791	2,783	3,413	12	2,149
4	Hiawatha	4	1,897	3,818	3,136	—	2,579
1	Hibbard	1	726	80	208	—	598
8	High Five	15	3,337	30,014	30,705	7	2,639
1	Highview	1	192	274	211	—	255
1	Horse Creek	1	793	84	204	—	673
2	Howard Coulee	2	638	2,661	2,606	—	693
4	Ivanhoe	10	1,057	2,758	2,845	166	804
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	15	3,191	20,232	20,978	—	2,445
5	Keg Coulee	17	4,070	6,516	7,813	1	2,772
4	Keg Coulee North	4	1,010	1,673	1,257	7	1,419
1	Kelley	3	406	1,546	1,373	—	579
98	Kevin Sunburst	505	15,004	26,454	26,562	68	14,828
1	Laird Creek	10	902	2,277	2,575	—	604
—	Landslide Butte	—	221	—	—	—	221
4	Leary	4	1,545	2,635	2,425	7	1,748
2	Little Beaver	23	146	32,715	32,719	—	142
4	Little Beaver East	10	1,752	11,194	10,177	—	2,769
15	Little Wall Creek	16	4,299	17,791	17,522	21	4,547
1	Lodge Grass	1	563	443	498	—	508
1	Lone Butte	1	888	3,114	2,962	—	1,040
7	Lonetree Creek	7	3,547	15,712	16,270	—	2,989
1	Long Creek	1	216	496	477	—	235
2	Long Creek, West	2	983	5,336	5,300	—	1,019

PRODUCERS' REPORT—MONTH OF SEPTEMBER, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Lookout Butte (Coral Creek)	30	620	49,395	49,488	—	527
3	Mason Lake	4	437	2,573	2,262	—	748
1	McCabe	1	872	1,236	1,711	—	397
5	Melstone	9	1,621	11,922	11,540	—	2,003
1	Mineral Bench	1	156	316	—	—	472
2	Miners Coulee	2	746	279	258	—	767
15	Mon Dak West	15	11,640	77,638	73,181	—	16,097
9	Monarch	14	3,366	9,690	9,194	—	3,862
3	Mosser	10	—	496	496	—	—
1	Nohly	2	767	5,083	4,867	—	983
1	North Fork	2	1,381	5,704	6,408	—	677
4	Otis Creek	4	2,613	5,591	5,245	—	2,959
5	Outlook	5	1,856	13,619	13,602	—	1,873
1	Outlook South	1	768	718	826	—	660
2	Outlook West	2	1,576	1,195	1,580	—	1,191
1	Oxbow	1	1,100	4,340	5,043	—	397
1	Pennel	114	1,024	243,858	244,102	—	780
1	Pete Creek	1	83	311	168	—	226
2	Phantom	2	685	1,305	955	—	1,035
4	Pine	80	13,969	173,783	173,215	—	14,537
61	Pondera	270	5,224	21,148	20,138	—	6,234
6	Poplar	60	7,568	33,033	33,692	—	6,909
11	Poplar Northwest	16	3,093	13,636	12,876	—	3,853
1	Prairie Elk	1	716	1,049	733	—	1,032
1	Prichard Creek	1	377	580	343	—	614
1	Putnam	2	264	2,271	2,076	—	459
5	Putnam, East	5	2,481	10,455	9,725	—	3,211
3	Rabbit Hills	3	1,966	3,841	4,243	—	1,564
10	Ragged Point	22	3,720	4,350	4,352	1	3,717
2	Rattler Butte	2	717	2,511	2,762	—	466
2	Rattlesnake Coulee	2	537	214	238	—	513
2	Raymond	5	1,998	15,472	14,996	—	2,474
—	Raymond Northeast	—	237	—	—	—	237
3	Reagon	47	902	15,726	15,658	—	970
1	Red Creek	18	—	7,178	7,178	—	—
1	Red Fox	1	268	230	258	—	240
1	Redstone	1	150	804	360	—	594
1	Repeat	1	421	1,200	1,071	—	550
4	Reserve	4	4,977	8,746	8,692	284	4,747
2	Richey	3	469	406	270	—	605
1	Richey Southwest	4	635	763	977	—	421
2	RipRap Coulee	2	859	1,508	1,326	—	1,041
4	Rosebud	4	1,526	1,949	2,172	—	1,303
1	Rush Mountain	1	625	1,731	1,870	—	486
2	Salt Lake	3	426	1,414	1,441	—	399
2	Sand Creek	4	402	2,577	2,577	—	402
4	Second Creek	4	1,431	6,448	6,464	—	1,415
2	Sheepherder	3	576	343	—	—	919
1	Shotgun Creek, North	1	190	3,941	3,730	—	401
7	Sidney	7	3,174	14,372	14,020	—	3,526
7	Sioux Pass	7	4,362	19,440	18,804	—	4,998
1	Sioux Pass, East	1	291	1,136	951	—	476
2	Sioux Pass, Middle	2	1,157	7,597	6,596	—	2,158
5	Sioux Pass, North	5	4,574	9,487	9,701	—	4,360
1	Snyder	3	775	677	1,139	—	313
8	Soap Creek	22	2,286	3,646	3,633	—	2,299
2	Soap Creek, East	2	856	1,058	1,142	—	772
3	South Fork	3	2,009	16,831	15,394	—	3,446
1	Spring Lake	2	1,113	1,754	1,285	—	1,582
1	Stensvad	3	1,641	393	1,185	—	849
31	Sumatra	101	12,606	125,498	126,503	46	11,555
2	Sunnyhill	2	628	2,278	2,222	—	684
1	Tippy Buttes	1	181	547	425	—	303
5	Tule Creek	5	2,711	10,392	10,835	—	2,268
1	Tule Creek East	1	782	1,026	891	—	917
3	Tule Creek South	3	1,165	885	607	—	1,443
3	Utopia	9	1,438	5,638	6,028	—	1,048
9	Vaux	9	6,911	22,238	21,445	—	7,704
1	Vida	1	232	90	—	—	322
5	Volt	6	2,484	6,998	7,095	—	2,387
1	Wagon Box	1	216	89	197	—	108
1	Weed Creek	1	288	426	211	—	503
3	Weldon	3	1,728	2,497	2,295	—	1,930
1	West Butte	1	197	343	358	—	182
29	Whitlash	61	15,251	13,356	13,657	—	14,950
1	Whitlash West	1	374	374	376	—	372
2	Willow Creek North	2	537	496	760	—	273
3	Wills Creek South	3	—	1,304	1,304	—	—
3	Winnett Junction	6	444	10,292	10,319	—	417
2	Wolf Springs	2	606	422	1,028	—	—
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	447	1,276	1,499	—	224
2	Wright Creek	3	1,393	923	1,290	—	1,026
—	Wildcat, McCone County	—	52	—	—	—	52
1	Wildcat, Musselshell County	1	185	110	—	—	295
8	Wildcat, Richland County	8	5,221	28,018	27,759	—	5,480
2	Wildcat, Roosevelt County	2	88	6,192	5,275	—	1,005
1	Wildcat, Sheridan County	1	540	5,260	5,523	—	277
—	Wildcat, Toole County	—	200	—	—	—	200
2	Wildcat, Wibaux County	2	581	5,159	4,610	—	1,130
857	TOTAL	3,273	371,702	2,568,010	2,552,868	1,262	385,582

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF SEPTEMBER, 1978

Field NATURAL:	MC. Ft.
Alma	884
Battle Creek	41,754
Bear's Den	—
Big Coulee	72,602
Big Rock	89,226
Black Coulee	4,256
Blackjack	27,939
Bowdoin	618,804
Bowes	800
Brown's Coulee	4,976
Bullwacker & Area	143,604
Canadian Coulee	67,620
Cedar Creek	124,922
Chip Creek	2,537
Clark's Fork, North	—
Coal Coulee	4,054
Cut Bank	203,558
Dry Creek	83,915
Dry Creek, Middle	2,924
Dunkirk North	29,553
East Chinook	9,381
Flat Coulee	400
Fresno	34,746
Gold Butte	1,516
Grandview	19,719
Gypsy Basin	23,655
Hardin	1,925
Haystack Butte	21,851
Highview	49,455
Keith Block	39,366
Kevin Sunburst	4,205
Kevin Sunburst Nisku & Area	13,035
Kicking Horse	17,717
Kinyon Coulee Area	6,110
Lake Basin	21,137
Ledger	9,395
Leroy	96,913
Liscom Creek	14,087
Lohman	905
Middle Butte	1,491
Miners Coulee	3,069
Mt. Lilly	—
Phanton	16,517
Plevna	2,835
Prairie Dell	46,386
Pumpkin Creek	17,618
Rapelje	17,818
Rocky Boy Area	10,343
Rudyard	9,555
Sage Creek	—
Sawtooth Mountain & Area	137,510
Sherard	67,721
Snoose Coulee	12,459
South Devon	13,205
South Shelby	41,429
Strawberry Creek Area	6,316
Swanson Creek	4,523
Tiger Ridge	1,134,160
Trail Creek	—
Utopia	—
West Butte	—
Whitlash	41,738
Willow Ridge	9,470
TOTAL NATURAL GAS	3,503,609

Field ASSOCIATED:	MC. Ft.
Bell Creek	33,637
Big Muddy Creek	—
Blue Hill	2,181
Clark's Fork South	9,016
Coral Creek	936
Culbertson	24,585
Elk Basin	5,596
Fairview	22,614
Four Mile Creek	7,279
Four Mile Creek, West	6,117
Glendive	200
Mon Dak West	—
Otis Creek	3,164
Pennel	4,090
Richland	48,419
Sioux Pass	11,707
Sioux Pass, East	1,290
Sioux Pass, Middle	5,733
Sioux Pass, North	4,575
Sumatra	8,150
Tule Creek	5,083
TOTAL ASSOCIATED GAS	204,372
TOTAL WITHDRAWALS	3,707,981

Total withdrawals for September, 1977, were 3,517,907 MCF.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,680,054	89,534	32,202,122	88,225
1st Quarter, 1978	7,228,897	80,321	7,188,700	79,874
2nd Quarter, 1978	7,661,483	84,192	7,659,476	84,170
July, 1978	2,597,772	83,799	2,584,652	83,376
August, 1978	2,636,531	85,049	2,641,731	85,217
September, 1978	2,568,010	85,600	2,552,868	85,096

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
March, 1978	382,596	1,470,247	1,432,055	3,284,898
June, 1978	370,202	1,578,927	1,488,928	3,438,057
July, 1978	379,560	1,455,024	1,484,925	3,319,509
August, 1978	371,702	1,522,391	1,582,421	3,476,514
September, 1978	385,582	1,474,463	1,780,846	3,640,891